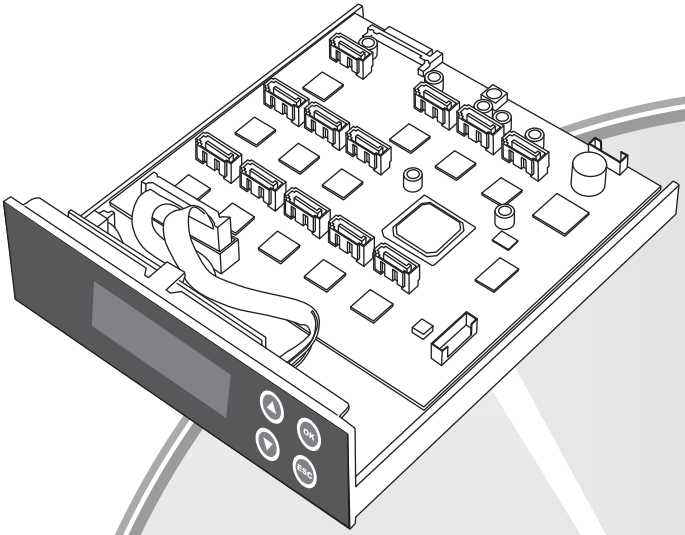
# BestDuplicator

## CD/DVD/Blu-ray/Lightscribe Duplicator

## User Guide

V1.0



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## Disclaimer of Warranties

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BestDuplicator is not responsible for illegal recording in any means.

For additional questions regarding our Disclaimer please contact BestDuplicator Technical support @ 1800-929-9343.
BestDuplicator can also be reached at the Contact us portion of the site.

BestDuplicator is not responsible for any user incurred "Physical Damage". Any parts that are physically damaged, warranty will be automatically voided.

For warranty purposes, please ensure you keep the original box of your Duplicator for proper shipping.

Thanks and enjoy!

# Before You Start

## Important Notice

Read the complete operation instructions carefully. This contributes to better operation. Make sure the source device is correct and workable.

To guarantee data consistency, it is strongly suggested that the capacity of source and targets should be the same. It is strongly suggest to use function “Copy&Compare” to achieve perfect duplication.

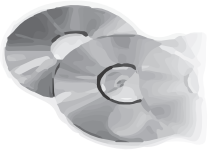
## Safety Precautions

The warranty will expire if damage is incurred resulting from non-compliance with these operating instructions. Please turn off the power before replacing the socket. Never turn off the power while processing the firmware update. Use only approved power sources. The product is only suitable for operation in a dry, dust free, clean environment. Do not allow liquids or foreign objects to enter. Failure to do so may severely damage your duplicator.

## Definition

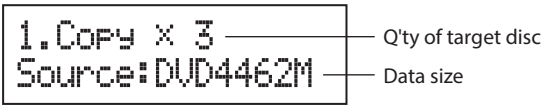
## Media

Media including compact discs, memory card, and flash drive.



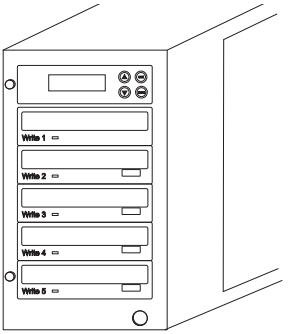
## Capacity

The maximum data amount can be contained in discs.



## Drive

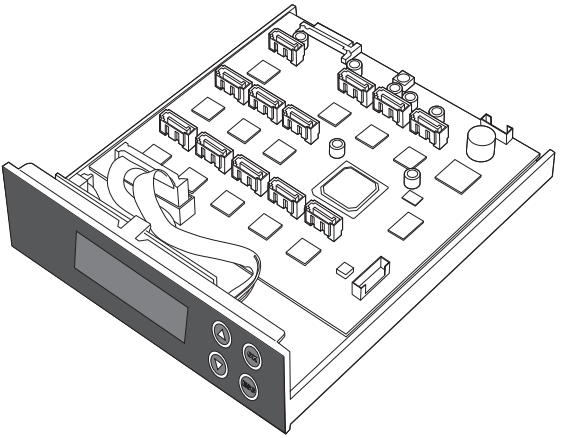
A flexible ejected case used to place discs.




DVD Duplicator

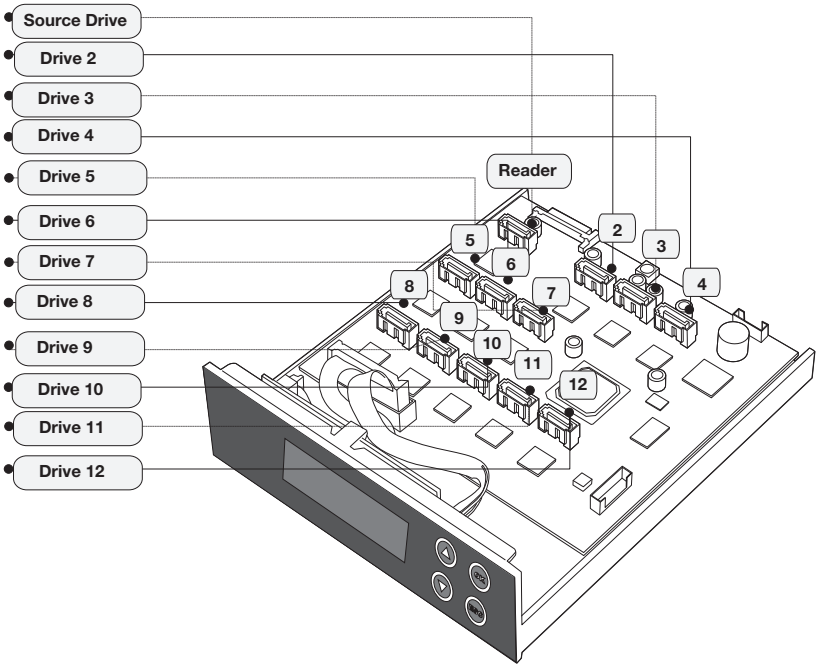
## SATA Port

A mechanical construction used to connect between controllers and drivers.



# 1. Installation

1. Find SATA cables and SATA ports on the controller board. The reader drive is the default source drive. The #2, #3 …..#n ports should be connected to that drive number as below.



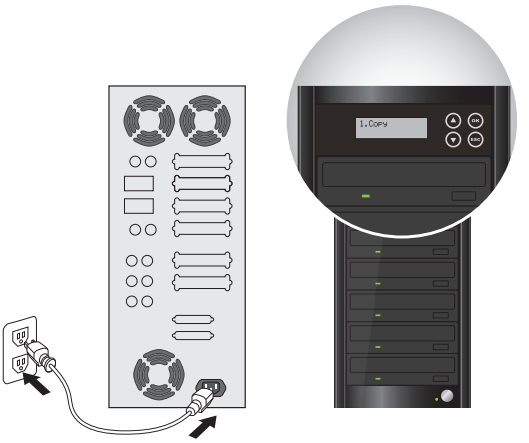

2. Connect SATA cable to the SATA port. Insert the controller to the top of the tower. Connect the other side of SATA cable to the drive as the following arrangement.

※ Note:
Wait over 5 seconds to power on after shutdown to prevent the abnormal operation of the system.

# 2. Quick Guide

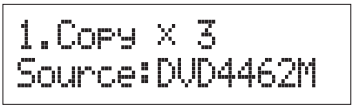
## 2-1. Quick Guide for Disc-to-Disc Copy

1. Connect power cord and power on.
   The LCD screen will display 1.Copy once the machine is started; otherwise, press ▲ / ▼ until you see 1.Copy .



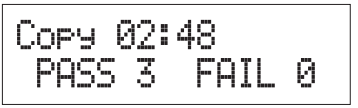
2. Insert source disc in the first drive from the top (by default).

3. Insert target disc(s) in any drive(s) except the top one.




4. Press (OK) to start copy.

5. Once finished, target disc(s) will be ejected automatically.




By default, the duplicator will start copying 5 seconds after source and target disc(s) are inserted, please refer to Function Table 8-1 if you need to change this setting.

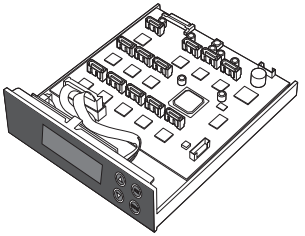
# Chapter 1. Basic Introduction

## 1. Features

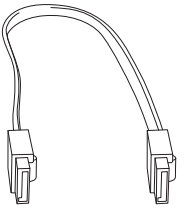
- Independent 13, 9 SATA ports can really achieve high speed 1-12, 1-8 DVD/Blu-ray duplication.
- Advanced separate analog and digital control board design prevent signal interference, enhance control board's power supply and stability.
- High speed DDR2 SDRAM.
- Support high speed 20X DVD, 52X CD, 8X Blu-ray burning.
- High compatibility with variety brands of burner.
- Auto Load & Copy Technology
- Easy assembly SATA port arrangement
- Support LightScribe printing

## 2. System Overview

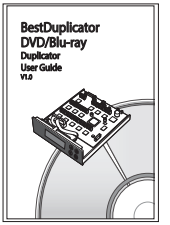
### 2-1. Package Content



Controller

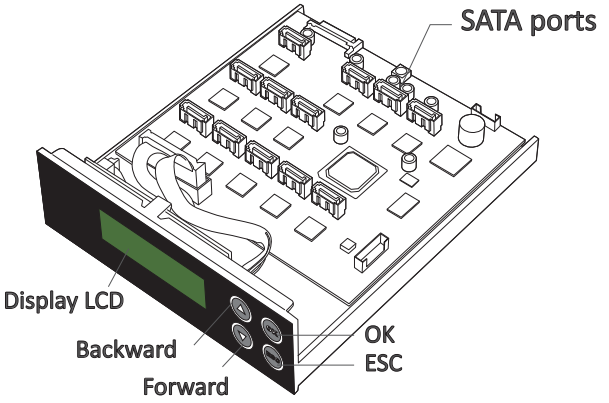


SATA Cables(180˚)

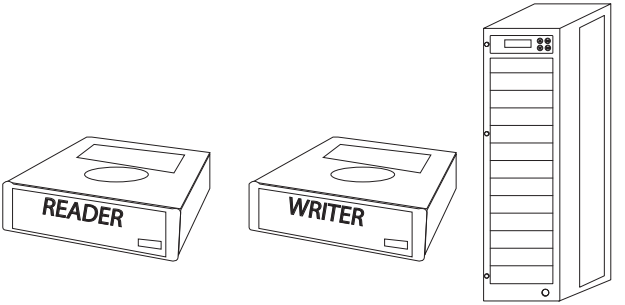



User Manual

## 2-2. SATA DVD/BD Duplicator Controller




## 2-3. Other Components for Assembly the Duplicators



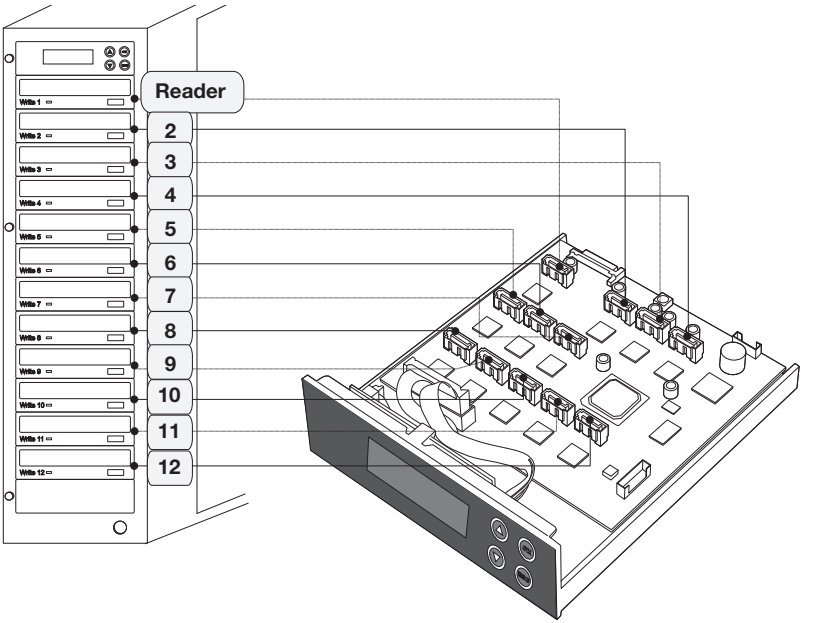

CD/DVD-ROM

CD/DVD-RW Writer

Tower Box

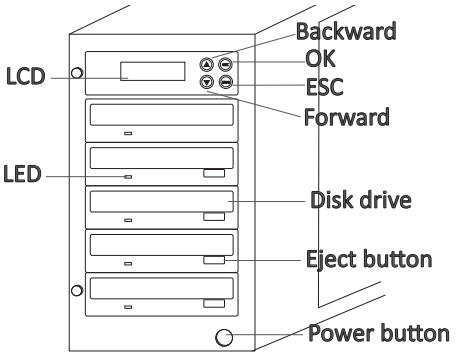
## 2-4. Installation of SATA Controller

Example: BD18112L installed




**Each SATA port is independent (without Master and Slave ports).

## 2-5. Front View



## Function Table-CD/DVD/BD Duplication

| Function | Itmes | | Description |
|---|---|---|---|
| 1. Copy | | | To copy disc to disc or copy disc from HDD. |
| 2. Test | | | To simulate copy process. |
| 3. Compare | | | To compare bit-for-bit between source disc and copied discs. |
| 4. Copy & Compare | | | To copy first and compare the copied discs later. To ensure data correctness. |
| 5. Set Burn Speed | | | To set burning speed for duplication. |
| 6. Select Source | | | To select source from any optical drive or hard disk drive. |
| 7. Utility | 1. Information | 1. Disc Info. | To check the format of disc, burning speed supported and total capacity or data size. |
| | | 2. Drive Info. | To check the version, model No. and brand name. |
| | | 3. System Info. | To check the model No. and firmware version. |
| | 2. Erase Disc | 1. Quick Erase | To quick erase data from rewritable disc. |
| | | 2. Full Erase | To full erase data from rewritable disc. |
| | 3. PreScan Source | | To check source disc's readability. |
| | 4. Track Edit | 1. Copy Track | To select and combine audio tracks from various CDs into a single customized audio CD. |
| | | 2. Close Disc | To close the disc after track copying to make the CD playable on CD player. |
| | | 3. Disc Info. | To check the audio CD's status of usage. |
| | 5. Eject All Disc | | To eject all trays. |
| | 6. Copy Counter | 1. Show Count | To check how many discs copy successfully and failed. |
| | | 2. Enable Counter | To enable or disable counter setting. |
| | | 3. Clear Counter | To delete the record. |
| | 7. Update BIOS | | To update the system's firmware. |
| | 8. PRINT LS Label | | To print Lightscribe image. |
| | 9.Verify Disc | | To check the readability of discs. |

# Chapter 2. Function Table

| | | | |
|---|---|---|---|
| 8. Setup | 1. Auto Start Time | | Allow the system to do the Copy, Test, Compare and Copy & Compare functions automatically |
| | 2. Display Mode | | 1. Basic |
| | | | 2. Show Speed |
| | | | 3. Show Timer |
| | 3. Button Beep | | To enable or disable key sound |
| | 4. Eject On Start | 1. Eject All Discs | To eject all trays with disc inside once the system is booted up. |
| | | 2. Do Not Eject | No eject any tray or disc once the system is booted up. |
| | | 3. Eject Target Only | Only eject target trays with disc inside once the system is booted up. |
| | | 4. Eject Source Only | Only eject source disc once the system is booted up. |
| | | 5. Eject All Trays | To eject all trays once the system is booted up. |
| | 5. Reader Speed | | To adjust the reading speed of source drive. |
| | 6. Compare Speed | | To adjust the speed of drives while comparing. |
| | 7. Language | | To set language interface |
| | 8. Clear Setup | | To reset all the function back to manufacturer's default setting. |
| | 9. Advanced Setup | 1. Power On Time | To set a warm-up time from 5 seconds to 99 seconds |
| | | 2. Startup Menu | To select which function you would like to show up in the beginning |
| | | 3. Skip Reader Error | To set skip the read error and keep copying. |
| | | 4. Change Bad Master | To make the system eject source disc and ask for another one while the source disc is unreadable for system. |
| | | 5. CD Overburn | Set to copy overburn CD. |
| | | 6. Show HDD Image Name | To show HDD image name or capacity on Copy, Test, Copy + Compare and Compare function |
| | | 7. Keep Buffer | To set enable or disable load source to the buffer. |
| | | 8. Boot Password | To enable or disable the user administr ative password. |
| | | 9. Setup Password | To set up the login password |
| | | 10.Count Password | To set password for function "7.6.1 Show Count". |
| | | 11.Eject Tray if no disc | To set whether users would like to eject trays if no discs are inserted in when operating the duplicator. |

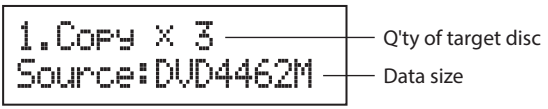
| | | | |
|---|---|---|---|
| 9. HDD Manager | 1. Select Image | | To select image file from HDD as your source for copy. |
| | 2. Disc=> Image | | To load your source disc to the built-in HDD. |
| | 3. Set Reader Speed | | To adjust the speed of source reader while you load image file from the reader to HDD. |
| | 4. Show Image Info. | | To check the disc format and data size of image file |
| | 5. Rename Image | | To change the name of image file |
| | 6. Delete Image | | To delete image file in the built-in HDD |
| | 7. Show HDD Info. | | To check the information of the built-in HDD includes how many discs are stored and the free space is available |
| | 8. Format HDD | | To format the built-in HDD |
| | 9. Load & Copy | 1. Synchronous | To load the source to HDD and make copy at the same time. |
| | | 2. Load First | To load source to HDD first and copy from HDD to disc. |
| | | 3. OFF | To disable Load & Copy function. |

# Chapter 4. Operation

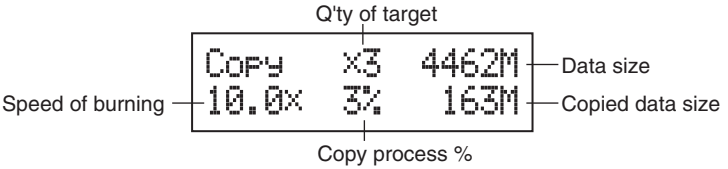
## 1. Copy

It is important to make sure that your source disc is placed in the right drive. You can check or select your source reader by 6.Select Source. (Plase refer to 6.Select Source)

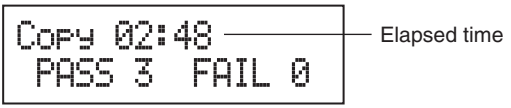
1. Select 1.Copy and place source disc and blank discs into the proper trays. Then the system will detect the source disc and show the information.




2. Press (OK) to start copy




3. Once the copy task is finished, the copied discs will be ejected and the result of copy task will show on the LCD:




※ Note:
Due to default setting of auto start time, the duplicator will start to copy automatically within a few seconds. You can set "OFF" to close the auto start function or set a longer waiting time. The default setting is 5 seconds. (About this setting please refer to 8-1.Auto Start Time.)

If HDD is selected to be the source reader, you have to upload the source to the built-in HDD and then follow copy process to do your copy task. How to upload data from disc to HDD please refer to 9-2.Disc to Image.

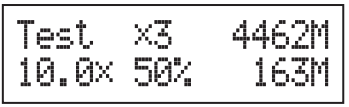
※ Note:
The default setting of source reader is the first drive.

## 2. Test

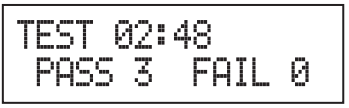
This function will simulate the copy process to ensure error free duplication. During the simulation, it will be nothing left in the recordable discs.

1. Use ▲ / ▼ to select 2.Test and press OK.

2. Press OK to start test




3. Once the test task is finished, the discs will be ejected and the result of the pass and fail discs for the test task will show on the LCD:




※ Note:
1. This function is unable to support DVD+R blank disc.
2. If you use CD/DVD rewritable discs as your blank media in the simulation, all the content inside the discs will be erased permanently during test simulation.

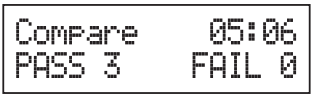
## 3. Compare

This function will do bit-for-bit comparison between source disc and copied discs to ensure the copied discs are identical to source disc.

1. Place source disc and blank discs into Reader and Writers separately.
2. Use ▲ / ▼ to select 3.Compare and press OK to start compare.

3. The system will detect the source and target discs automatically.
4. After detecting, the system will start to compare.

5. When the comparison has finished, the system will show the compare result.




## 4. Copy & Compare

This function will to do copy task first and execute comparison automatically when copy process has been finished.

※ Note:
In Copy, Test, Compare and Copy&Compare functions

1. If there is no source and target discs inside the duplicator,there will be nothing show on LCD.

2. If the built-in HDD is selected as source, the information presents different:

Image file name

3. The information display of these 4 functions will be different based on the display mode you selected. (Plase refer to 8-2.Display mode.)

## 5. Set Burn Speed

You can adjust the burning speed of CD/Audio CD/DVD/DVD DL/Blu-ray by this setting. The default setting of CD is 40X, Audio CD 24X, DVD 8X, DVD DL 2X and Blu-ray 2X.

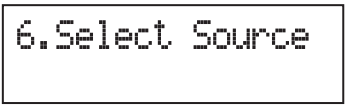
1. Use ▲ / ▼ to select 5.Set Burn Speed and press OK.

2. Press ▲/▼ to adjust the burning speed of CD and press OK to confirm it, or press OK to select Audio CD,DVD, DVD DL or Blu-ray to adjust the burning speed.

## 6. Select Source

You can set any drive or built-in HDD in the duplicator to be your source reader.

1. Use ▲ / ▼ to select 6.Select Source.




2. Press OK to check the current source reader, or select the proper drive to be the source reader by pressing ▲ / ▼ , once the source reader is selected, press OK to confirm the setting and back to the menu list.

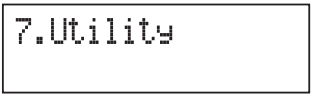
※ Note:
The default setting of source reader is the first drive.

# 7. Utility

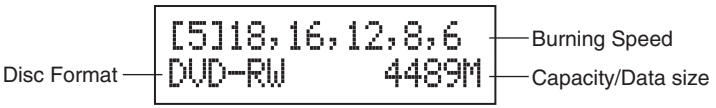
## 7-1. Information

You can check the information of disc, drive and system by this function. By pressing ▲ / ▼ , each disc or drive's information will show on the LCD.

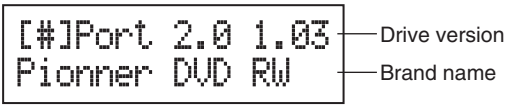
1. Use ▲ / ▼ to select 7.Utility, press OK to enter the sub menu. Then,select 1.Information and press OK.



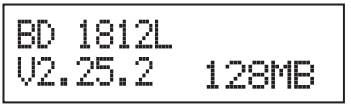
2. Use ▲ / ▼ to select 1.Disc Info. or 2.Drive Info or 3.System Info., and press OK to see the related information.
3. The information will show on the LCD as below:
   - Disc Info.: You can check the format of disc, burning speed supported and total capacity. If the disc has data inside, you also can check the size of data.




   - Drive Info.: The version, model No. and brand name can be checked here.




   - System Info.: The model No. and firmware version can be checked here.

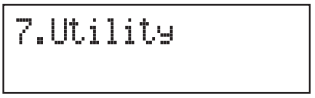


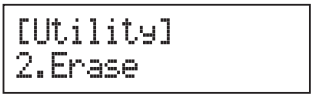
## 7-2. Erase Disc

This function will erase the rewritable discs in WRITER tray, there are two erase modes available:

- Quick Erase: It will erase the INDEX of the rewritable disc.
- Full Erase: It will erase ALL DATA in the rewritable disc, which takes longer time than Quick Erase.

1. Place discs into writers.
2. Use ▲ / ▼ to select 7.Utility and press OK to enter the sub menu.Then, select 2.Erase and press OK .




3. Use ▲ / ▼ to select 1.Quick Erase. or 2.Full Erase.

OR

4. Press OK to execute the erasing task. When the system is detecting the discs, you will see the colon flashing.

5. When the erase job is in process, you should see the O and o are blinking by turns.

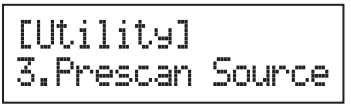
6. Once the erase task has finished, the O stop blinking, the disc will be ejected automatically.

※ Note:
1. If you see F and f are blinking by turns, which means the whole new DVD+RW is in format process.
2. Erase function only support rewritable discs.

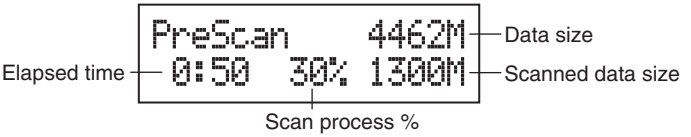
## 7-3. PreScan Source

This function will scan and detect any bad sectors existing in the source disc,which helps you to ensure the readability of source disc.

1. Place a source disc into reader.
2. Use ▲ / ▼ to select 7.Utility and press OK to enter the sub menu.Then, select 3.Prescan Source and press OK to start scan task.




3. When prescan task is in process, you can see the process on the display:




4. When the prescan task has finished, the result of prescan will be shown on the LCD.

## 7-4. Track Edit

This function enables you to combine audio tracks from various CDs into a single customize audio CD.

- Copy Track: You can select and combine audio tracks from different CDs in this section.
- Close Disc: You have to perform this function after copy track to make the CD playable on CD player.
- Disc Info.: You can check the audio CD's status of usage.

## 7-5. Eject All Disc

You can eject all discs including source and target discs at the same time by this function.

## 7-6. Copy Counter

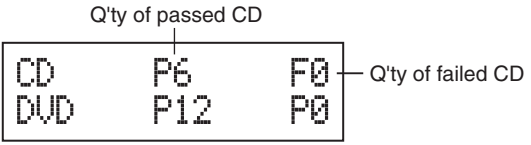
This function will record the result of duplication.

- Show Count: You can check how many discs copy successful and failed.
- Enable Counter: You can set the counter enable or disable to record the copy result.
- Clear Counter: You can delete the record by this function.

1. Use ▲ / ▼ to select 7.Utility and press OK to enter the sub menu. Then,select 6.Copy Counter and press OK .

2. Use ▲ / ▼ to select 1.Show Count.

3. Press (OK) to check the calculation of successful and failed duplication for CD and DVD.



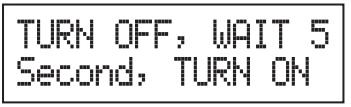

## 7-7. Update BIOS

You can update the system's firmware in this function.

1. Place manufacturer certified update file CD into any drive.
2. Press (▲) / (▼) to select 7.Utility and sub menu 7.Update BIOS and then press (OK) to start the process.

3. The system will detect the update file and execute update task automatically.

4. Once the update job has done, the system will require you to reboot the system.




※ Note:
Do NOT save the firmware in a folder. The system can not detect the file if you save it in a folder.

### 7-8. PRINT LS Label

This function will let you using the LightScribe technology to print your own image on discs.
For the operation process, please refer to Appendix A: LightScribe Operation.

### 7-9. Verify Disc

This function is used to check if the disc is readable.

## 8. Setup

### 8-1. Auto Start Time

This setting will allow the system to do the Copy, Test, Compare and Copy& Compare functions automatically in a few seconds once the source and blank discs are placed in the trays and detected by the system. The default setting is 5 seconds. You can set a longer/shorter time from 1 to 99 seconds or set OFF to disable this function and execute copy task by manual.

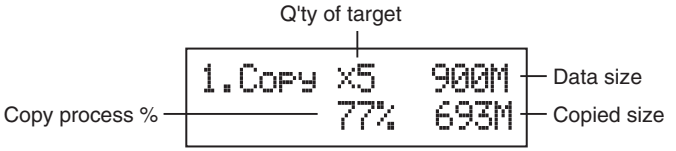
1. Press ▲ / ▼ to select 8.Setup and sub menu 1.Auto Start Time.

2. Press ▲ / ▼ to set the time.

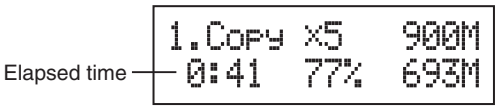
### 8-2. Display Mode

You can select the prefered display mode in Copy, Test, Compare, Copy&Compare.

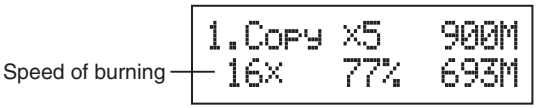
- Basic: It will only show the copy process (%) on LCD.




- Show Timer: It will show the time for copy.




- Show Speed: It will show the speed of burning during copy process.




## 8-3. Button Beep

This setting will allow you to set up to hear a beep when a button is pressed or not.

## 8-4. Eject On Start

You can make the trays or discs eject once the system is booted up.

- Eject All Discs: To eject all trays with disc inside once the system is booted up.
- Do Not Eject: No eject any tray or disc once the system is booted up.
- Eject Target Only: Only eject target trays with disc inside once the system is booted up.
- Eject Source Only: Only eject source disc once the system is booted up.
- Eject All Trays: To eject all trays once the system is booted up.

## 8-5. Reader Speed

This setting allows you to adjust the reading speed of source drive. The default setting of reader speed of CD is 40X; DVD is 24X.

## 8-6. Compare Speed

The reading speed of drive and disc are the reasons can affect the quality of comparison. This setting allows you to adjust the reading speed of drives to match up the reading speed of discs. The default setting of CD's compare speed is 40X, DVD is 8X.

## 8-7. Language

You can set a proper language for interface during operation.

## 8-8. Clear Setup

This setting will reset all the function back to manufacturer's default setting.

## 8-9. Advanced Setup

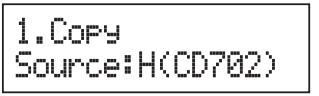
- Power On Time: You can set a warm-up time from 5 to 99 seconds for warming up the duplicator when it is turned on. The default setting is 10 seconds.
- Start-up Menu: You can select which function you would like to show up in the beginning.
- Skip Read Error: You can set this function enable to skip disc errors in order to avoid bad quality of copy. If you are confident of your source disc has only a small and insignificant error due to physical damages and can be overlooked, you can set NO to disable this function.

> ※ Note:
> Skip Read Error can not fix the error in the source disc, all it does is skipping the errors and keeps copying the rest of readable data.

- Change Bad Master: This setting will make the system eject source disc and ask for another one while the source disc is unreadable for system.
- CD Overburn: The majority of discs have a small margin of extra groove at the outer edge. This setting allows you to copy data over the normal size limit.
- Show HDD Image Name: You can select to show HDD image name or capacity on Copy, Test, Copy&Compare and Compare function.

Show HDD Image Name:

Show capacity:




※ Note:
When you change the source from drive to HDD, the LCD will show the HDD information. How to change your source reader please refer to 6.Select Source.

- Keep Buffer: You can set Yes to load source disc to buffer in first round of Copy, Test, Compare or Copy&Compare, and do it again without the source disc. Or you can set No to keep buffer not be used.

※ Note:
The source will be only temporarily saved in buffer, there will be nothing left when you exit the task (Copy, Test, Compare and Copy&Compare or reboot the system.

- Boot Password: This setting allows you to enable or disable the user administrative password. Users have to login when the system is booted on, no default password.
- Count Password: This setting allows you to enable or disable the administrative password. Users have to login when they would like to know how many discs are copied successfully.
- Eject Tray if no disc: The duplicator will eject tray automatically once there is no disc inserted in when operating.

## 9. HDD Manager (For HDD-installed duplicator)

### 9-1. Select Image

You can select image file from HDD as your source for copy. When this function is selected, the system will set the HDD to be the source reader automatically.

1. Press ▲ / ▼ to select 9.HDD Manager and sub menu 1.Select Image.

2. Press ▲ / ▼ to select the image you need and press OK to confirm.

## 9-2 Disc to Image

This function will load your source disc to the built-in HDD and save the source as an image file.

1. Place the source disc to any one of the drives.
2. Press ▲ / ▼ to select 9.HDD Manager and sub menu 2.Disc to Image.

3. Press OK to start loading.

4. When loading has finished, the disc will be ejected automatically.

※ Note:
The source disc can be placed in any drive, it will not affect the loading process.

## 9-3. Set Reader Speed

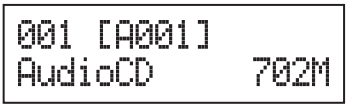
You can adjust the reading speed of the drive which you put the source disc. This function is ONLY available when you loading the source disc to HDD.The default setting of both CD and DVD speed are MAX.

## 9-4. Show Image Info.

You can check the disc format and data size of image file in this function.

1. Press ▲ / ▼ to select 9.HDD Manager and sub menu 4.Show Image Info.

2. Press OK to check the disc format and data size of the image file. And you can press ▲ / ▼ to check other image file's information.




## 9-5. Rename Image

This function allows you to change the name of image file. You can set maximum up to 8 characters for a new name, and NO blank is allowed between the characters.

1. Press ▲ / ▼ to select 9.HDD Manager and sub menu 5.Rename Image.

2. Press (OK) and select which image file you would like to rename by pressing (▲) / (▼) , and then press (OK) to start edit a new name for the selected file.

You can select characters or number by pressing (▲) / (▼) , and press (OK) to the next space to edit. The maximum is 8 characters without blank space. When it has done, press (OK) to confirm the new name.

## 9-6 Delete Image

You can delete image file from the built-in HDD, but the source image file is unable to delete if the file is selected as source. Therefore, before you delete an image file, please check if it is selected as a source and change a new one source by 9.1 Select Image.

※ Note:
If there is an image file is deleted, the file name will be held for next new image file, the existing file will not to fill the vacancy. For example, there are 5 image files (A001~A005) in the HDD, when you delete A003, A004 will not change to be A003, once a new file has loaded, its default name will be A003.

## 9-7 Show HDD Info.

You can check the information of the built-in HDD includes how many discs are stored and the free space is available in the HDD.

## 9-8. Format HDD

This function allows you to format the built-in HDD while the HDD is NOT selected as reading source. You can change the source from HDD to other drive in 6.Select Source.

Due to the capacity for discs loading is hard to predict precisely and more and more different discs coming out. The traditional method of format is not ideal for using on this duplicator. This duplicator is able to detect disc capacity and assign a proper partition for the disc's data automatically. You do not have to predict and select CD or DVD partition in the beginning and you can check how many discs you can upload from 9-7.Show HDD Info. This intelligent HDD management technology is much easier for HDD management than the old way.

## 9-9. Load & Copy

This function is for the system to load the source to HDD and make copy synchronously. The system will load the source to HDD during the first round of duplication, and the HDD will replace the reader drive to be the source in second round of duplication. This special function is very convenient for a big copy task. You also can set:

- Synchronous: The system will load the source to HDD and make copy at the same time.
- Load First: The system will load source to HDD first and take HDD as source to copy.
- OFF: To disable Load & Copy function.

※ Note:
1. The image file will only be saved temporary if it is loaded to HDD by Load & Copy function.
2. If you would like to save the file permanently please load the file to HDD by manual (refer to 9-2.Disc to image.)

# Chapter 5. Specification

| | | |
|---|---|---|
| Operation | | Stand-alone |
| Buffer (DDR2) | | 128MB |
| CD Speed | | 52X |
| DVD Speed | | 24X |
| Blu-ray Speed | | 12X/8X |
| Disc Format Support | | BD-ROM, BD-R, BD-RE<br>DVD-ROM, DVD-Video, DVD-Audio, DVD+R, DVD+RW, DVD-R, DVD-RW, Dual Layer DVD±R,<br>CD-ROM, CD-RW, CD-I, Audio CD, Video CD, CD+G, CD-TEXT, Bootable CD, Mixed-mode CD, Multi-session CD, CD-Extra, Business Card CD, 3" Mini CD-R |
| Display | | 2X16 Backlight Monochrome LCD |
| Control Button | | 4 push buttons<br>▲ (Backward)/ ▼(Forward) / OK(OK) / ESC(ESC) |
| Temperature | Working | 5°C ~ 45°C |
| | Storage | -20°C ~ 85°C |
| Humidity | Working | 20% ~ 80% |
| | Storage | 5% ~ 95% |
| Controller Power Consumption | Voltage | Max 5V |
| | Current | Max 1A |
| Safety | | FCC, CE, RoHS |

* The actual specification may subject to change without notice.

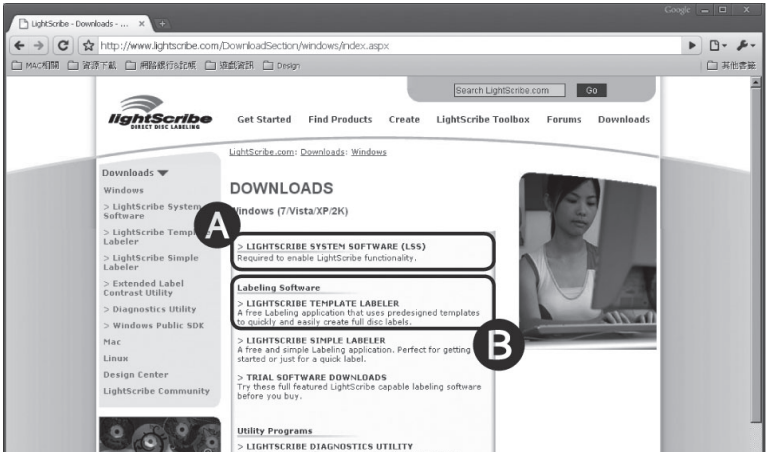
# Appendix A. LightScribe Operation

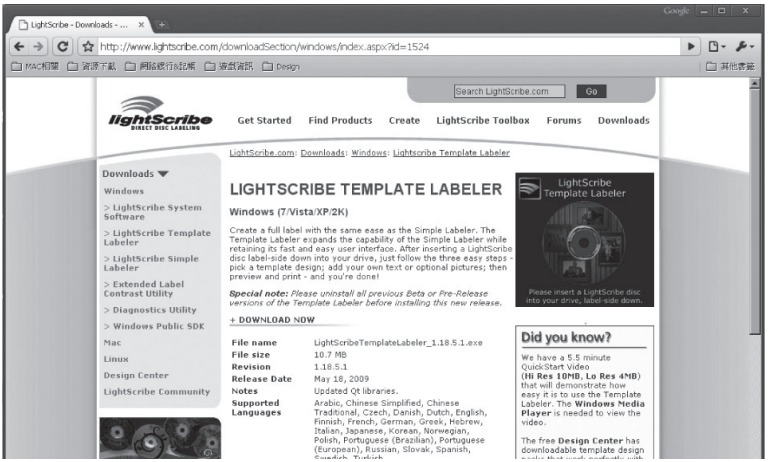
## Step 1

## Install LightScribe template software to PC

Download LightScribe software from www.lightscribe.com and install below software.

A. LIGHTSCRIBE SYSTEM SOFTWARE (LSS)
B. LIGHTSCRIBE TEMPLATE LABELER.





http://www.lightscribe.com/downloadSection/windows/index.aspx?id=1524
Search LightScribe.com
Go
Get Started
Find Products
Create
LightScribe Toolbox
Forums
Downloads
LightScribe.com: Downloads: Windows: Lightscribe Template Labeler
Downloads
Windows
> LightScribe System Software
> LightScribe Template Labeler
> LightScribe Simple Labeler
> Extended Label Contrast Utility
> Diagnostics Utility
> Windows Public SDK
Mac
Linux
Design Center
LightScribe Community
LIGHTSCRIBE TEMPLATE LABELER
Windows (7/Vista/XP/2K)
Create a full label with the same ease as the Simple Labeler. The Template Labeler expands the capability of the Simple Labeler while retaining its fast and easy user interface. After inserting a LightScribe disc label-side down into your drive, just follow the three easy steps - pick a template design; add your own text or optional pictures; then preview and print - and you're done!
Special note: Please uninstall all previous Beta or Pre-Release versions of the Template Labeler before installing this new release.
+ DOWNLOAD NOW
File name LightScribeTemplateLabeler_1.18.5.1.exe
File size 10.7 MB
Revision 1.18.5.1
Release Date May 18, 2009
Notes Updated Qt libraries.
Supported Languages Arabic, Chinese Simplified, Chinese Traditional, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Brazilian), Portuguese (European), Russian, Slovak, Spanish,
LightScribe Template Labeler
Please insert a LightScribe disc into your drive, label-side down.
Did you know?
We have a 5.5 minute QuickStart Video (Hi Res 10MB, Lo Res 4MB) that will demonstrate how easy it is to use the Template Labeler. The Windows Media Player is needed to view the video.
The free Design Center has downloadable template design

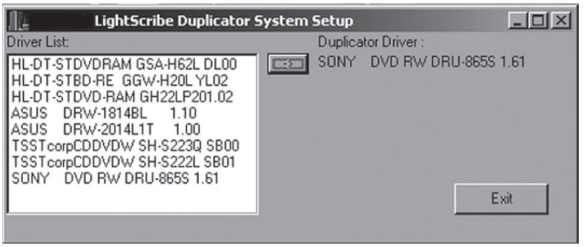
## Step 2

## Execute "LightScribe Drive select.exe".exe file to select LightScribe Drives

1 Receive a .exe file from your supplier.

2 Execute the .exe file on your PC.

3 And select the LightScribe Duplicator drive on the list.

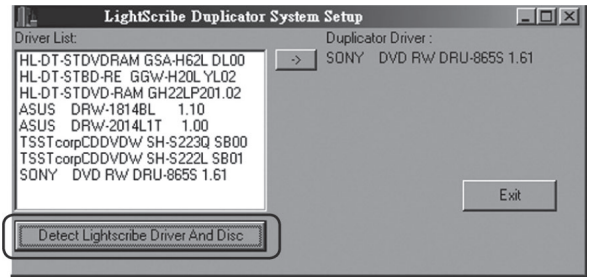



※ Note:
When every time the Duplicator change LightScribe drive, must reselect drive before create LightScribe image for that Duplicator.

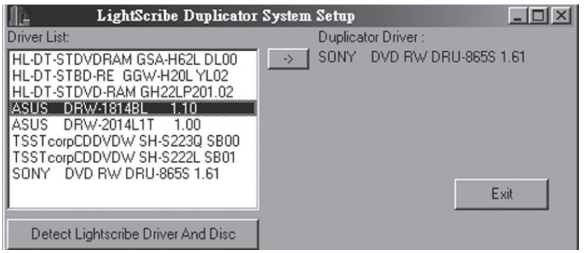
4 If the duplicator's LightScribe drive is not on the list, please follow below steps to add new LightScribe drive to the support list.

① Plug the new LightScribe drive you will use for Duplicator to the PC.

② Click "Detect Lightscribe Drive And Disc " to search new available LightScribe drive.



③ Select the new drive and press → , the drive will be added to the list.



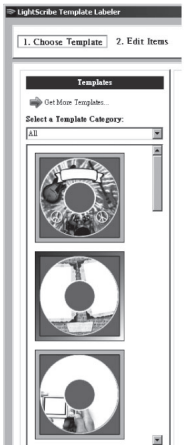

## Step 3

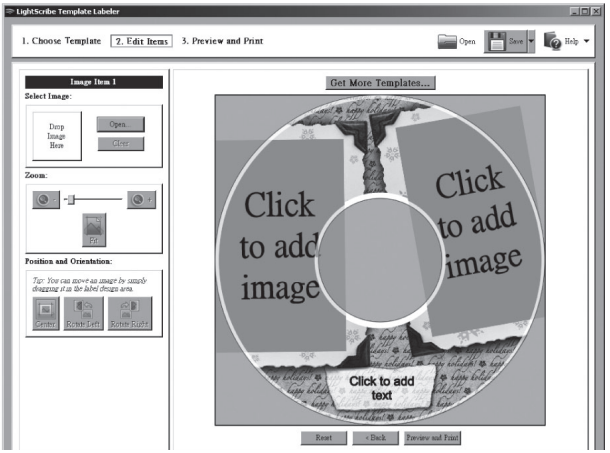
## Design LightScribe Template and LightScribe printing on PC.

1 Click to launch the LightScribe Template on our PC.

2 Follow procedure to create your label image.

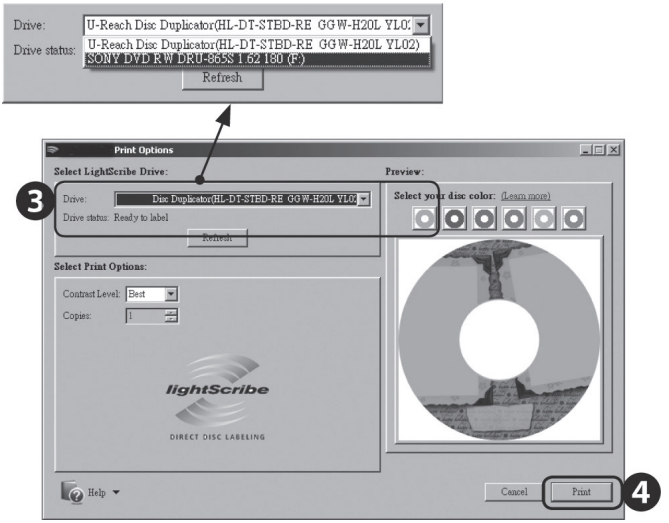
3 Make sure the lightScribe drive is selected.



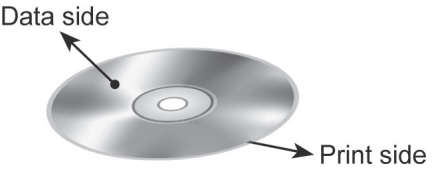
※ Note:
If LightScribe template cannot be executed normally under Window® 7, please try to click right button on the mouse on the LightScribe icon and select " Run as administrator" to execute the function.

4 Click the Print to save the lightScrbe image .LSI file to a USB stick or a Disc.




5 Plug the USB drive or Disc into Duplicator.

6 Select the utility function 7-8.PRINT LS Label. The system will read the image into the duplicator and start printing the LightScribe label.




※ Note:
When doing the LightScribe printing, please turn over the disc. The print side is face down and data side is face up.

# Appendix B. Troubleshooting

## 1 Error Message

| Error Message | Possible Reasons | Troubleshooting |
|---|---|---|
| Bad Master Disc | Master disc is empty or protected. | Please check your master disc by (1) Disc Info (2) by PC. |
| | Master disc has damaged or bad quality. | |
| Warning:<br>Can't DVD↑CD | You put different format of blank disc from the master disc. Cannot copy between different disc format. | Please check your master and blank disc format by "Disc Info." |
| Not Blank Disc | The target disc has been written. | Please use blank discs or rewritable discs. |
| No Disc | No blank disc. Or the disc is upside down. | Please double check again your target discs. |
| | Using Blu-ray blank disc, but the driver does not support Blu-ray. | |
| No Master Disc | No source disc. | Please check if you put the right source disc into the drive. |
| | Use Blu-ray as a source, but the driver does not support Blu-ray. | Please check the disc format by "Disc Info". |
| Read Error Count Over Limit<br>(It happens when you load data from disc to HDD.) | Master disc has bad quantity. | Please change another source. |
| | Master disc is a protected disc. | Please don't use protected disc as a source. |
| No Update File | No disc with updated FW, can't find FW files. | 1. Check if you unzip the FW file.<br>2. Check if the FW is placed at root level.<br>3. Check if you put the right disc with FW.<br>4. Try the FW disc with other drives. |

| Error Message | Possible Reasons | Troubleshooting |
|---|---|---|
| HDD Full ! | HDD has no enough space. | Please release HDD space. |
| Wrong Password | Insert wrong password. | Please double check again your password. |

## 2 FAQ & Maintenance Guide

### A. Steps to replace drives.

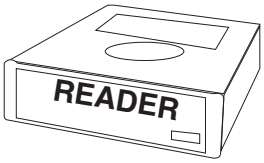
1 Turn off the power.

> ※ Note:
> For you safety, please turn off the power before replacing the DVD drives or doing any inspection.

2 Remove both of the side cover of the duplicator box. In order to do so, you will need to remove 2 screws on the back of the case.

3 Gently using your hand, pull off the 2 attached cables from the drive. There is also 2 screws attached to each side of the case that need to be removed.

4 Replace new DVD drives into the box. Attach cables/screws back to the new drive, finally close the doors and replace its original screws to lock the doors. Make sure you connect all components and cables firmly.

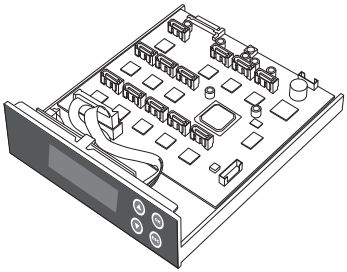



5 Turn on the power again. Check if the LED of the replaced drive is on or not. If the LED turns on after powering on, continue to test its copy status.

## B. Steps to replace controller cards.

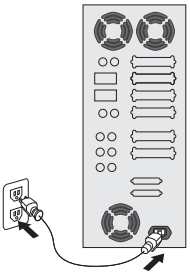
1 Turn off the power. From the side, remove the case cover and take out all the SATA cables attached to each device within the Duplicator. Same removal methods are used as "A. Steps to replace drives".

2 Take out the controller card from the top case. Insert new controller card.

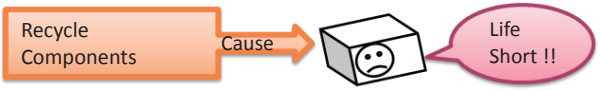


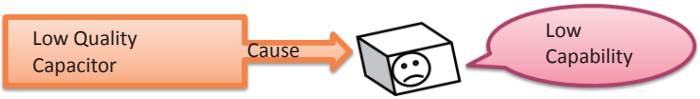
## C. Steps to check power problems.

1 Turn off the power. Switch the power to a different outlet. Sometimes some power outlets either fail without user notice or do not provide enough power for the duplicator to be running at maximum performance. If this issue is not resolved, take any PC Power cord that works on your computer, Gaming Console, or powering device. Plug it into the duplicator power supply, and try multiple outlets.



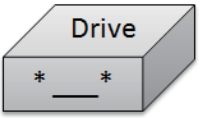
※ Note:
Please note, if your power supply is years out of warranty, it is generally best to buy a replacement unit based on your usage. Capacitor's may begin to weaken over time which will cause slower performance.



## D. Steps to avoid drives problems.

1 To avoid dust and over-heat temperature.
Overtime, drives and fans tend to build up in dust which could cause slower burning performances. It is suggested that the unit is placed in an area with the least amount of dust. It's also suggested that every 6 months the unit should be "Air dusted". This means you will need to open the side of the case and spray air dust into the drives or fans to clean the dust. **DO NOT AIR DUST THE POWER SUPPLY**




2 It is very important that all of the drives that the duplicator is using are the same brand to prevent compatibility and stability issues.(Diagram on "Do & Don't 5")

### Q1: How do we know the data is correct after copy?

Run function "Compare" function to ensure the corrrectness of copied data.

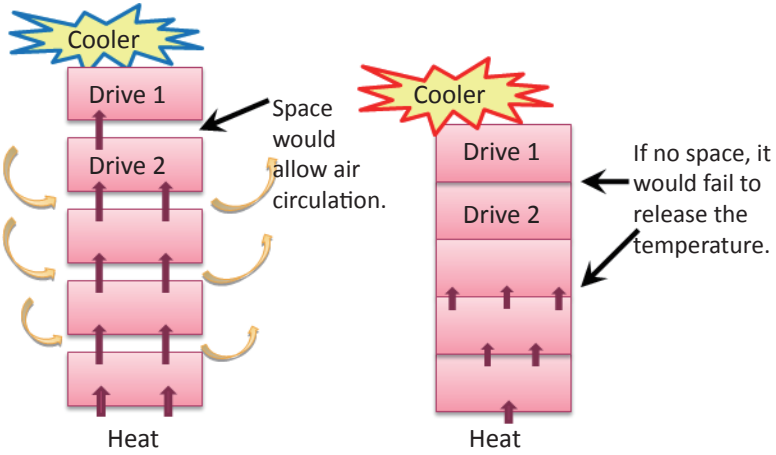
### Q2: During Boot up my Duplicator only says 5/6 Drives Detected.

Ocasionally due to the unit's movement in transit by the courier, cables may become fall loose. For life and warranty purposes, BestDuplicator does not hot glue cables into those drives for that reason. Simply open the case door and check to make sure all cables are plugged in. Please follow Step 4 on "Part A of FAQ Steps to replace drives"

# Appendix C. Do & Don't

### Do & Don't 1

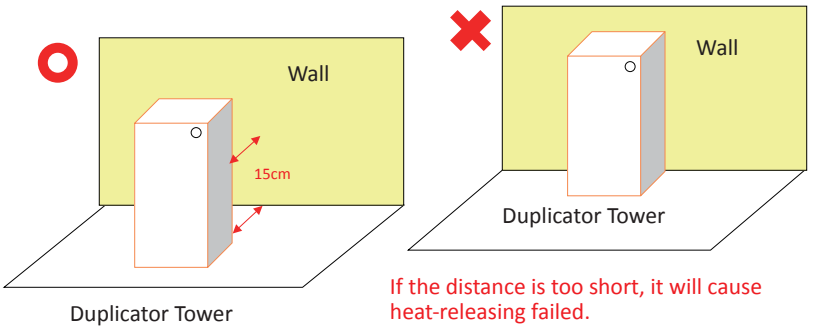
Be sure to use duplicator chassis so that there are available spaces among drives. Please do not only stack up drives without using standard chassis.




Inside the chassis, the cooling fan can draw the air from the front to the back. Without space between two drives, the cooling fan would fail to reduce heat between drives.

## Do & Don't 2

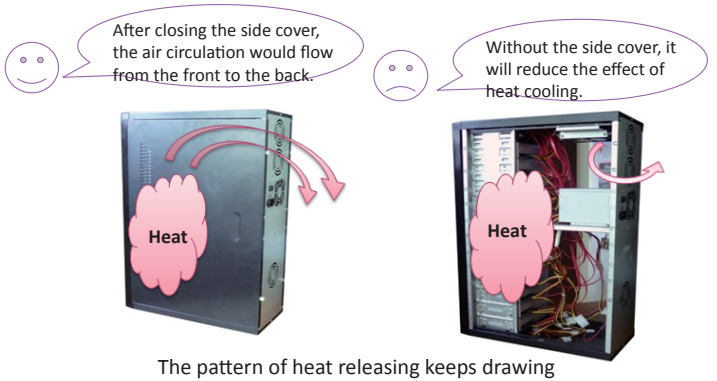
Be sure to keep distance between wall and the duplicator at least 15cm to reduce heat.




If the distance is too short, it will cause heat-releasing failed.

## Do & Don't 3

Be sure to close the side cover. It helps to release heat.


After closing the side cover, the air circulation would flow from the front to the back.
Heat
Without the side cover, it will reduce the effect of heat cooling.
Heat

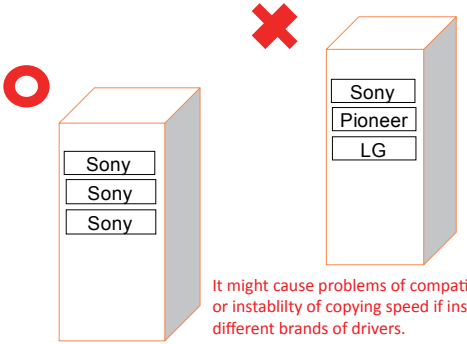
The pattern of heat releasing keeps drawing air from the front to the back.

## Do & Don't 4

If the side cover is open, be sure to use a fan for cooling.

## Do & Don't 5

We highly recommended using the same brand of drivers in one duplicator.




It might cause problems of compatibility or instablilty of copying speed if install different brands of drivers.